

SUBCONTRACTOR SYSTEM CERTIFICATION AND TESTING

Within 45 days after subcontract award, the Subcontractor shall conduct system certification and testing with JPL. The Subcontractor agrees to make its purchasable items available at a secure shopping website. In order to test with JPL, the supplier's website shall support the punchout mechanism requirement and basic item searching capabilities for the JPL specific catalog as described in Exhibit II, PunchOut Operational Document, and Exhibit III, Electronic Communications. Items purchased by JPL end users through the site will generate purchase orders, and the subcontractor shall be set up to receive these purchase orders electronically from the JPL iProcurement system. Once a purchase order is received, the Subcontractor will package the purchased items in accordance with the Exhibit VII, JPL Packing Slip Specification, and Exhibit IX, JPL Product Packaging and Delivery Instruction. Upon award of the subcontract, testing support and maintenance for all of the aforementioned areas by the Subcontractor shall be required.

1.0 End to End Electronic Transaction Testing:

- 1.0 JPL will submit a number of test purchase order transactions (850) or cXML orders. If using EDI, the Subcontractor shall provide electronic acknowledgment (997) if capable. No acknowledgement document is required if using cXML.

2.0 Subcontractor System Testing:

2.1 Pre-Test:

- 2.1.1 Orders, will be placed, using an electronic communication method in groups of increasing size (10, 20, 30, 40 order lines, called an "order test group"). Testing will move on to the next higher size order test group at the mutual decision of JPL and the Subcontractor. The Subcontractor will send labels to arrive at JPL the next business day. For 10% of the orders, the Subcontractor will simulate an over or short shipment. Testing will continue until two (2) consecutive order test groups containing thirty (30) or more order lines each has no faults detected and JPL has completed testing of the iProcurement system. A fault is any error or misrepresentation in the bar code (including low grade readability), or any other error discovered with JPL or the Subcontractor.

2.1.2 Test scenarios will cover:

- 2.1.2.1 Orders filled completely by the Subcontractor;
- 2.1.2.2 Orders filled with other than the quantity stated on the Purchase Order.

2.2 Full Test:

- 2.2.1 JPL will place active purchase order transactions (850 or cXML) from the iProcurement Test Team after completion of the successful Pre-Test. Upon delivery, the packages will be scanned and payment check transmitted to the Subcontractor.
- 2.3 Testing will continue for a period-as determined by JPL in groups of increasing size as discussed in the Pre-Test above. After successful completion of the Pre-Test and the Full Test, the system will be certified for production.